

## **CENTER FOR THE IMPROVEMENT OF CONSTRUCTION MANAGEMENT AND PROCESSES ASSOCIATES**

The following professionals are directly associated with the work of the CICMP. They all have a wealth of knowledge and experience in their noted respective fields to assist the construction industry to improve project and company performance. Contact the Center if you are interested in utilizing their expertise in any applied research and/or professional development activities.

**Dennis Bausman, PhD, CPC, AIC**

### ***Educational and Professional qualifications:***

#### Degrees

Doctor of Philosophy in Construction Management  
Heriot-Watt University, Edinburgh, Scotland

Master of Science in Construction Science and Management  
Clemson University, Clemson, SC

Bachelor of Science in Construction Engineering  
Iowa State University, Ames, IA

#### Registrations and Certifications

National Panel of Neutrals for the American Arbitration Association  
LEED Accredited Professional  
AIC Certified Professional Constructor

***Experience*** - Directly involved in the construction industry for over 20 years with experience in field operations and supervision, project management, estimating, sales, business planning and division management. Nine years of experience managing full service construction divisions throughout the United States. Experience includes management responsibility for over 300 projects totaling over two (2) billion dollars of construction with a project size ranging from 250K to 120+ million. Project experience includes commercial (hotel, office, retail, institutional), healthcare, industrial, entertainment, and public construction. Personal knowledge and involvement with a variety of contracting formats including lump-sum, guaranteed maximum price, cost-plus, design-build, and construction management.

### ***Areas Qualified to Develop/Teach Professional Education Courses:***

Materials & Methods  
Contract Documents  
Project Management

Scheduling  
Construction Economics  
Financial Management

***Areas Qualified to Conduct Research:***

Distance education  
Financial Management and Benchmarking  
Strategic planning  
Subcontractor retainage  
Construction industry best practices

**Shima Clarke, PhD, PE, AIC**

***Educational and Professional qualifications:***

Degrees

Doctorate, Civil Engineering  
University of Tennessee  
Knoxville, TN

Master of Science, Civil Engineering  
University of Tennessee  
Knoxville, TN

Bachelor of Science, Civil Engineering  
University of Tennessee  
Knoxville, TN

Registrations and Certifications

Professional Registered Engineer in Tennessee

***Experience*** – Industry experience has been as a Civil/Structural Engineer working in the nuclear industry. In addition has taught in Clemson University's Construction Science and Management Department for 10 years; teaching the structures courses on the undergraduate level and construction research methods on the graduate level. Has conducted research and published papers in the areas of structures- fatigue behavior of steel bridges and what constructors need to know about structures; Disadvantaged Business Enterprises (DBE) construction firms' training needs; craft worker retention rate monitoring and documentation process; bid shopping- impact on the private sector of the construction industry; and LEED Accreditation- a benefit analysis for constructors. Also conducted research in the area of design-build project delivery method.

***Areas Qualified to Develop/Teach Professional Education Courses:***

Structures (design, code requirements/analysis, failure analysis, and inspection)

Construction materials

LEED requirements for new construction

Design-build project delivery method

***Areas Qualified to Conduct Research:***

Any topic related to construction science, management and processes.

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**Roger Liska, EdD, CPC, PE, FAIC, FCIOB, FRICS**

***Educational and Professional qualifications:***

Degrees

Doctorate in Educational Administration  
University of Georgia  
Athens, GA

Master of Science, Civil Engineering and Construction  
Wayne State University  
Detroit, MI

Bachelor of Science, Civil Engineering  
Michigan Technological University  
Houghton, MI

Registrations and Certifications

Professional Registered Engineer – Alabama, North and South Carolina  
Certified Professional Constructor  
Certified Franklin Covey Trainer

***Experience*** – Have over thirty years in construction and construction education. Have worked in the commercial and industrial sectors of the construction industry in the management of the construction process. In addition, have extensive experience consulting from the construction industry on quality management, productivity and

personnel issues including training. Have taught over 300 workshops and seminars for the industry and have conducted numerous funded and unfunded applied research projects. Also have taught various Franklin-Cover Leadership courses.

***Areas Qualified to Develop/Teach Professional Education Courses:***

Personnel management  
Training  
Productivity  
Quality Management  
Resource Control  
Time Management

***Areas Qualified to Conduct Research:***

Personnel management  
Productivity  
Quality Management  
Resource Control  
Off-site construction techniques  
Construction education and training

**Christine Piper, PhD**

***Educational and Professional qualifications:***

Degrees

Doctorate of Project Management

Dissertation: "The Impact of Certification on Women-Owned Construction Firms in the United States"

University of South Australia, Adelaide, Australia

Master of Building Science & Management

Clemson University, Clemson, SC

Bachelor of Science in Design (Architecture)

Clemson University, Clemson, SC

***Experience*** - Has 20 years experience in both the construction industry and construction education specializing in the areas of planning, scheduling and project management applications. Her industry experience on commercial and industrial projects as a project controls engineer included estimating change orders; initiating and maintaining project schedules; reconciling budget costs with actual costs; performing special productivity and cost analysis studies; developing and maintaining submittal, procurement and change

order logs; interfacing with client controls systems; planning and coordinating engineering and construction work. She worked with the owner's representative on the Bi-Lo Center in Greenville, SC performing cost control services and managing furniture, fixture and equipment work packages. Current consulting work includes developing and updating schedules for various contractors on different types of projects including commercial construction and building renovations and conducting scheduling seminars.

***Areas Qualified to Develop/Teach Professional Education Courses:***

Project Planning  
Scheduling  
Project Management

***Areas Qualified to Conduct Research:***

Women's workforce development issues  
Planning and scheduling  
Workforce retention  
Project Management

**Ray Schneider, PE**

***Educational and Professional qualifications:***

Degrees

MBA-Management  
Long Island University  
Long Island, NY

Bachelor of Science, Aeronautical Engineering  
New York Polytechnic  
New York, NY

Registrations and Certifications

Registered Professional Engineer in

***Experience*** - Has over 30 years in the HVAC field, the last 20 of them specifically focused on hundreds of clean room projects ranging from class 100,000 (ISO 8) thru class 1 (ISO 3) in the U.S. and abroad. His experience ranges from baseline contamination control studies and conceptual facility planning, through detail design, and certification. He has held executive engineering positions with several clean room design/build companies, including Fluor Daniel and Luwa. Ray has been active in the Institute of Environmental Sciences and Technology, participating in working groups that have produced recommended practices on clean room testing and on clean room design

concerns. He has authored several HVACR related books as well as the book PRACTICAL CLEANROOM DESIGN including supplements entitled "Effect of ISO on Microelectronics Clean room Design" " Bio-Pharmaceutical Clean room Design Guidelines" and "The Successful Clean room Project" . His papers and articles have appeared in industry publications such as the ASHRAE Journal, A2C2, Clean rooms, Fatback, Plant Engineering and Micro. Most recently he developed a one day seminar entitled "Cleaner Manufacturing-First Steps" that was presented through the Clemson University South Carolina Center for Energy Studies and at the Wallops Island NASA facility.

***Areas Qualified to Develop/Teach Professional Education Courses:***

HVAC (equipment, design, sales, service, installation),  
Sustainability  
Project management  
Business issues  
Construction marketing  
Energy management/conservation  
LEED  
Industrial facility programming  
Microelectronics facilities  
Bio-pharmaceutical facilities  
Conceptual design  
Contamination control  
Cleanroom design/construction  
Ventilation  
Filtration

***Areas Qualified to Conduct Research:***

HVAC (equipment, design, sales, service, installation),  
Sustainability  
Project management  
Business issues  
Construction marketing  
Energy management/conservation  
LEED  
Industrial facility programming  
Microelectronics facilities  
Bio-pharmaceutical facilities  
Conceptual design  
Contamination control  
Cleanroom design/construction  
Ventilation  
Filtration

**Tony Wintz, JD, PE**

***Educational and Professional qualifications:***

Degrees:

Juris Doctor, 1998  
George Mason University School of Law  
Washington, DC

M.S. Structural Engineering, 1974  
George Washington University  
Washington, DC

B.S. Civil Engineering, 1970  
University of Virginia  
Charlottesville, VA

Registrations and Certifications:

Professional Engineer (District of Columbia, Virginia, Pennsylvania)  
Virginia State Bar (Virginia)  
Certified Association Executive (ASAE)

***Experience*** – Over 35 years in the construction industry, including experience in contracting, structural design, materials testing, consulting, forensic investigation of building construction defects, construction law, and association management. As a masonry specialist, has been involved in all aspects of masonry, including materials, design and detailing, specification, construction and workmanship in projects involving renovation, rehabilitation and maintenance in addition to design of new construction for architectural buildings, both in the United States, and overseas. On the national level, has been involved in codes and standards work for over 30 years. Has served, and continue to serve, on several standards writing organizations, including committees of ASCE, SEI, CI, CSI, ASTM, TMS and ACI.

***Areas Qualified to Develop/Teach Professional Education Courses:***

Masonry  
Structural Design in Construction  
Soils and Foundations  
Construction Law  
Contract Documents  
Drawings and Specifications

Plan Reading

***Areas Qualified to Conduct Research:***

Masonry

Construction Law

Contract Documents

Drawings and Specifications